

SEARCH NOTES FOR SERIAL NUMBER: 10/578768

FILED 12/13/2006

EFFECTIVE 5/9/2006

PRIORITY

Parent Data

10578768, filed 12/13/2006

is a national stage entry of PCT/JP03/14543 International Filing Date: 11/14/2003

PGPUB

US20070241962A1

Classified in 342/361

IDS

- 2 submitted
- search report included, indicates novelty of claims 1-10

PLUS SEARCH

5/12/2008

- submitted

PALM INVENTOR SEARCH

5/12/2008

Last Name = SHINODA

First Name = HIROSHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06116409</u>	<u>4294795</u>	150	01/29/1980	STABILIZED ELECTROCAST ZIROCNIA REFRACTORIES	SHINODA, HIROSHI
<u>06123452</u>	<u>4288251</u>	150	02/21/1980	REINFORCED ELECTROCAST ZIRCONIA REFRACTORIES	SHINODA, HIROSHI
<u>06706995</u>	<u>4582007</u>	150	02/28/1985	NEEDLE BAR TRANSFER DEVICE FOR MULTI-NEEDLE SEWING MACHINE	SHINODA, HIROSHI
<u>06715226</u>	<u>4580515</u>	150	03/22/1985	MULTIPLE NEEDLE SEWING MACHINE	SHINODA, HIROSHI
<u>09557827</u>	<u>6337661</u>	150	04/25/2000	High frequency communication	SHINODA, HIROSHI

				device	
<u>10035147</u>	<u>6862001</u>	150	01/04/2002	HIGH FREQUENCY COMMUNICATION DEVICE	SHINODA, HIROSHI
<u>10083339</u>	Not Issued	161	02/27/2002	Monopulse radar system	SHINODA, HIROSHI
<u>10108441</u>	<u>6939646</u>	150	03/29/2002	POLYMER ELECTROLYTE AND PROCESS FOR PRODUCING THE SAME	SHINODA, HIROSHI
<u>10227358</u>	<u>6717544</u>	150	08/26/2002	RADAR SENSOR	SHINODA, HIROSHI
<u>10385617</u>	<u>6750810</u>	150	03/12/2003	MONOPULSE RADAR SYSTEM	SHINODA, HIROSHI
<u>10519198</u>	Not Issued	30	12/23/2004	Polymeric laminates, processes for producing the same, and use thereof	SHINODA, HIROSHI
<u>10531265</u>	Not Issued	30	03/29/2006	Block copolymer and application thereof	SHINODA, HIROSHI
<u>10578768</u>	Not Issued	30	12/13/2006	Automotive Radar	SHINODA, HIROSHI
<u>10618736</u>	<u>6933881</u>	150	07/15/2003	AUTOMOTIVE RADAR	SHINODA, HIROSHI
<u>10781914</u>	<u>6833806</u>	150	02/20/2004	RADAR SENSOR	SHINODA, HIROSHI
<u>10788354</u>	<u>6853329</u>	150	03/01/2004	MONOPULSE RADAR SYSTEM	SHINODA, HIROSHI
<u>10986194</u>	<u>7154432</u>	150	11/12/2004	RADAR SENSOR	SHINODA, HIROSHI
<u>11045147</u>	Not Issued	93	01/31/2005	AUTOMOTIVE RADAR	SHINODA, HIROSHI
<u>11167794</u>	Not Issued	30	06/27/2005	Polymer electrolyte membrane and fuel cell using the same	SHINODA, HIROSHI
<u>11178408</u>	Not Issued	161	07/12/2005	On-vehicle radar	SHINODA, HIROSHI
<u>11206765</u>	<u>7132976</u>	150	08/19/2005	AUTOMOTIVE RADAR	SHINODA, HIROSHI
<u>11207004</u>	<u>7310061</u>	150	08/19/2005	VELOCITY SENSOR AND GROUND VEHICLE VELOCITY SENSOR USING THE SAME	SHINODA, HIROSHI
<u>11544759</u>	Not Issued	41	10/10/2006	Millimeter-wave radar apparatus and millimeter radar system using the same	SHINODA, HIROSHI
<u>11934705</u>	Not Issued	30	11/02/2007	MILLIMETER WAVEBAND TRANSCEIVER, RADAR AND VEHICLE USING THE SAME	SHINODA, HIROSHI
<u>11945329</u>	Not Issued	20	11/27/2007	WAVEGUIDE STRUCTURE	SHINODA, HIROSHI
<u>11984571</u>	Not	25	11/20/2007	Velocity sensor and ground vehicle	SHINODA, HIROSHI

	Issued		velocity sensor using the same	
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Last Name = **KONDOU**

First Name = **HIROSHI**

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>07575443</u>	<u>5098263</u>	150	08/30/1990	PRESSURE VIBRATION DAMPING DEVICE IN COMBINATION OF LIQUID COLUMN VIBRATION DAMPING MEANS AND PRESSURE PULSE ABSORBING MEANS	KONDOU, HIROSHI
<u>07764912</u>	<u>5216375</u>	150	09/24/1991	VARIABLE TIME-CONSTANT TYPE DIFFERENTIATOR	KONDOU, HIROSHI
<u>09573739</u>	<u>6418355</u>	150	05/18/2000	LOT SUPPLY SYSTEM AND LOT SUPPLY METHOD	KONDOU, HIROSHI
<u>10578768</u>	Not Issued	30	12/13/2006	Automotive Radar	KONDOU, HIROSHI
<u>10783636</u>	<u>7069944</u>	150	02/20/2004	FLOW RATE CONTROL DEVICE	KONDOU, HIROSHI
<u>12034574</u>	Not Issued	20	02/20/2008	Hydraulic Master Cylinder And Vehicle Provided With The Same	KONDOU, HIROSHI

10/29/2008

Check:

<u>10618736</u>	<u>6933881</u>	150	07/15/2003	AUTOMOTIVE RADAR	SHINODA, HIROSHI
<u>11045147</u>	Not Issued	93	01/31/2005	AUTOMOTIVE RADAR	SHINODA, HIROSHI
<u>11178408</u>	Not Issued	161	07/12/2005	On-vehicle radar	SHINODA, HIROSHI
<u>11544759</u>	Not Issued	41	10/10/2006	Millimeter-wave radar apparatus and millimeter radar system using the same	SHINODA, HIROSHI
<u>11934705</u>	Not Issued	30	11/02/2007	MILLIMETER WAVEBAND TRANSCEIVER, RADAR AND VEHICLE USING THE SAME	SHINODA, HIROSHI

11/178407 is similar but I don't think it's double patenting

## CONSULTATIONS

10/29/2008

- primary John Sotomayor

Hi JB,

This is an amended case. The first claim is:

1. (Currently Amended) An automotive radar comprising:  
an antenna equipped with at least one radiating element which radiates linear polarized radio waves;  
a slit plate which is a metal plate in which a plurality of slits are defined, the slit plate being placed in front of the surface of the antenna;  
radio wave absorbers provided between the antenna and the slit plate; and  
a transceiver device which supplies transmit signals to the antenna to radiate radio waves and, from signals acquired by receiving reflection waves which are returned waves of the radio waves striking an obstruction, detects a direction in which the obstruction exists;  
wherein at least one of the radio wave absorbers is backed with a second metal plate for impedance matching in space so as to reduce sidelobes generated by radio wave leakage from a clearance between the antenna and the slit plate and prevent a multipath of incident waves to a surface of a road and reflection waves from the surface of the road.

I'm searching in 342/70-72, 1-4, 159, 175, 188, 198, and in 343/872-873. Would you recommend any other subclasses?

Thanks for your help,

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*I think you've covered all the search areas.*